

Publications Committee

University of Texas
Publications

University of Texas Bulletin

No. 1829: May 20, 1918

ARCHITECTURAL YEAR BOOK

VOLUMES IV AND V

1916-1917

1917-1918



Published by the University six times a month and entered as
second-class matter at the postoffice at
AUSTIN, TEXAS

Publications of the University of Texas

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The University publishes bulletins six times a month, so numbered that the first two digits of the number show the year of issue, the last two the position in the yearly series. (For example, No. 1701 is the first bulletin of the year 1917.) These comprise the official publications of the University, publications on humanistic and scientific subjects, bulletins prepared by the Department of Extension and by the Bureau of Municipal Research and Reference, and other bulletins of general educational interest. With the exception of special numbers, any bulletin will be sent to a citizen of Texas free on request. All communications about University publications should be addressed to the Chairman of the Publications Committee, University of Texas, Austin.

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The benefits of education and of useful knowledge, generally diffused through a community, are essential to the preservation of a free government.

Sam Houston

Cultivated mind is the guardian genius of democracy. . . . It is the only dictator that freemen acknowledge and the only security that freemen desire.

Mirabeau B. Lamar

FACULTY

ROBERT ERNEST VINSON, D. D., L. L. D.
President

THOMAS ULVAN TAYLOR, M. C. E.,
Dean of the Department of Engineering
FRIEDERICH ERNST GIESECKE, M. E., B. S. IN ARCH.,
Professor of Architecture

SAMUEL EDWARD GIDEON,
Associate Professor of Architecture

RAYMOND EVERETT, B. S. IN ARCH.,
Adjunct Professor of Architecture

NELLIE JEFFERSON, B. S., IN ARCH.,
Tutor in Architecture

*Faculty Members in Charge of Instruction Required of Archi-
tectural Students in Schools other than that of
Architecture*

LILA MARY CASIS, M. A.,
Spanish

LUTHER RECTOR HARE, MAJOR (RETIRED) U. S. A.
Military Science and Tactics

WILLIAM TYLER MATHER, PH. D.,
Physics

LEONIDAS WARREN PAYNE, JR., PH. D.,
English

EDUARD PROKOSCH, PH. D.,
German

CHARLES DONNELL RICE, M. S.,
Applied Mathematics

EUGENE PAUL SCHOCH, PH. D.,
Physical Chemistry

ERNEST JOSEPH VILLAVASO, M. A.,
French

ALBERT BENEDICT WOLFE, PH. D.,
Economics

REQUIREMENTS FOR ADMISSION

To be admitted to the School of Architecture, the applicant must be at least sixteen years old and present fourteen and one half units of high-school credit; however, until further notice, students may be admitted conditionally with only twelve and one half units credit. Three units must be presented in English, two in history or in history and civics, two in algebra, one in plane geometry, and two in one foreign language, ancient or modern. Not more than four units may be presented in history and civics together, and not more than four in vocational subjects.

If the applicant is at least twenty-one years old and furnishes evidence that he has substantially covered the ground of the number of units required of the other candidates, and that he has sufficient ability and seriousness of purpose to do the work desired with profit to himself and to the satisfaction of the University, he may be admitted on individual approval, postponing the satisfaction of the requirements for admission.

More detailed descriptions of the requirements for admission are published in the catalogue of the University, to be obtained on application to the registrar.

THE LIBRARY

The general library of the University is housed in a fireproof building provided with ample stack, reading, and work rooms; it contains 124,159 volumes and 36,000 pamphlets which are catalogued on cards by authors, titles, and subjects and to which students have ready access.

For the convenience of engineering and architecture students a branch library has been established in the Engineering Building to which the books and periodicals of special interest to architects and engineers are transferred from the general library.

The following periodicals are sent directly to the School of Architecture and kept on file there for the students' use:

- American Architect.
- Arts and Decoration.
- Architect and Engineer of California.
- Architecture.
- Architecture and Building.
- Architectural Record.
- Architectural Review (American).
- Architectural Review (English).
- Architectural Forum.
- Concrete Cement Age.
- Domestic Engineering.
- Good Furniture.
- International Studio.
- Journal, American Institute of Architects.
- Metal Worker.
- Printing Art.
- Southern Architect and Building News.
- Technology Architectural Record.
- Western Architect.

FEES

There is no charge for tuition but the following annual fees are required of students:

Matriculation fee (first three years only)....	\$10.00
Medical fee	3.00
Library deposit	5.00
Gynasium fee (first year only).....	1.00
Laboratory fees (to cover in part the cost of materials consumed):	
Physics 1.....	4.50
Chemistry 1.....	6.00
Chemistry 1, deposit.....	6.00
Civil Engineering 128.....	1.50

ENGINEERS LOAN FUND

The students of the Engineering Department have established a fund from which loans may be made to worthy juniors and seniors.

BRACKENRIDGE LOAN FUND FOR WOMEN STUDENTS IN ARCHITECTURE

With a view to aiding women students who possess robust health, high character, decided ability, and seriousness of purpose but who need financial assistance, a loan fund has been established by Mr. George W. Brackenridge of San Antonio.

The maximum amount granted to any one person for any session is two hundred dollars, payable in eight monthly installments. All beneficiaries of the loan fund are expected to return the amount borrowed, as soon as their circumstances permit them to do so. Until repayment of the principal, interest will be charged at the rate of four per cent per annum, payable annually.

Six such loans are available in the School of Architecture.

THE SCHOOL OF ARCHITECTURE

The courses in Architecture are intended to provide the training which the student needs to prepare him for professional work as an architect, an architectural engineer, a building superintendent, or a builder.

The object of the instruction is to develop the student's powers of imagination and representation; to improve his artistic feeling; to acquaint him with the classic architecture of the past; to enable him to design the architectural and structural elements and the mechanical equipment of buildings; and to prepare him for the financial and legal problems involved in building construction.

Opportunity is afforded for specialization in the aesthetic and in the scientific branches of architecture, according to the student's natural ability or inclination. This specialization is necessary because a modern building is so complex and varied in its structure and the time allowed for its design and erection so short that many must cooperate in its production, each one performing that special service for which he is best fitted by nature and training.

To meet these various demands, the School of Architecture offers a General Course and a Fine Arts Course in Architecture, both leading to the degree of B. S. in Architecture, and a course in Architectural Engineering, leading to the degree of B. S. in Architectural Engineering.

The general contents of these three courses are shown in the following tables:

GENERAL COURSE IN ARCHITECTURE

Applied Math.	A. M. 1, 104, 209	2 Courses
English	1, 2 or 3	2 "
French, German, or Span.	A. 1	2 "
Economics	6	1 "
Chemistry	1, 107	1 1/3 "
Physics	1	1 "
Applied Mechanics	C. E. 32, 126, 128	1 2/3 "
Surveying and Leveling	C. E. 136	1/3 "
Freehand Drawing	A. 101, 102, 103	1 "
Architectural Rendering	A. 125	1/3 "
Inst. Dwg. & Desc. Geom.	A. 220	2/3 "
Shades, Shadows & Per.	A. 206	2/3 "
Architectural History	A. 112, 226	2/3 "
Building Construction	A. 121, 27, 28, 30	3 1/3 "
Building Sanitation	A. 131, 229	1 "
Architectural Design	A. 22, 23, 24	3 "

22

Students may omit either A. 24 or A 30 and thereby reduce the required number of courses to 21.

FINE ARTS COURSE IN ARCHITECTURE

Applied Math.	A. M. 1, 104, 209	2 Courses
English	1, 2 or 3	2 "
French, German, or Span.	A,	2 "
Economics	6	1 "
Physics	1	1 "
Applied Mechanics	C. E. 32, 126, 128	1 2/3 "
Surveying and Leveling	C. E. 136	1/3 "
Freehand Drawing	A. 101, 102, 103	1 "
Architectural Rendering	A. 125	1/3 "
Water Color	A. 104	1/3 "
Inst. Dwg. and Des. Geom.	A. 220	2/3 "
Shades, Shadows and Pers.	A. 112, 126	2/3 "
Architectural History	A. 206	2/3 "
History, Sculpture and Painting	139	1/3 "
	A.	
Building Construction	A. 121, 27, 28	2 1/3 "
Building Sanitation	A. 229	2/3 "
Architectural Design	A. 22, 623, 624	5 "

22

COURSE IN ARCHITECTURAL ENGINEERING

Applied Math.	A. M.	1, 104, 109	2 Courses
English		1, 2 or 3	2 "
Economics		6	1 "
Chemistry		1, 107	1 1/3 "
Physics		1, 422	2 1/3 "
Applied Mechanics	C. E.	32, 126, 128	1 2/3 "
Surveying and Leveling	C. E.	136	1/3 "
Freehand Drawing	A.	101, 102	2/3 "
Inst. Dwg. and Des. Geom.	A.	220	2/3 "
Shades, Shadows and Persp.	A.	206	2/3 "
Architectural History	A.	112, 126	2/3 "
Building Construction	A.	121, 27, 28, 30	3 1/3 "
Building Sanitation	A.	229, 131	1 "
Business Practice	A.	132	1/3 "
Architectural Design	A.	22	1 "
Direct and Alter. Currents	E. E.	35	1 "
Heat Engines	M. E.	10	1 "

THE ARCHITECTURAL SOCIETY

1916-17

President—ROGER Q. SMALL.

Secretary-Treasurer—HAZEL HORNSBY.

1917-18

President—K. D. BECKMANN.

Vice President—E. E. DAVIS.

Secretary-Treasurer—HAZEL HORNSBY.

The Architectural Society is an organization composed of the students and faculty of the School of Architecture, formed for the purpose of keeping its members in touch with recent achievements in the fields of the arts and sciences related to architecture, and of promoting friendship among its members.

THE UNIVERSITY ART CLUB

1916-17

President—HAZEL HORNSBY.

Vice President—E. E. FAIRWEATHER.

Secretary-Treasurer—ALMA GIESECKE.

1917-18

President—EUGENE ELMER DAVIS.

Vice President—FANNY SELLORS.

Secretary-Treasurer—EDITH PARSONS.

The University Art Club is an organization whose purpose is the study of the painting, sculpture, and literature of the past and present masters. Each year the art of one or more countries is taken up by the Club and studied at the semi-monthly meetings. To facilitate this study, slides of the more important works are used, and, whenever possible, special lecturers are obtained. The Club holds membership in the Texas Fine Arts Association.

SUMMER SCHOOL

The first session of the summer school in Architecture was held in 1915; the work was so satisfactory that it is planned to offer courses in architecture each summer; they will be arranged to meet the special needs of students, teachers, and architectural draughtsmen.

Detailed information will be furnished on request.

INSPECTION TRIPS AND SPECIAL LECTURES

The city of Austin offers unusual opportunity to the student of architecture for inspection trips, under the leadership of the instructors in the various courses, to the many institutions and buildings nearby, where a careful study may be made of the design of buildings and the methods of construction.

There are also opportunities to hear many interesting lectures at various times by men brought to Austin by the University, the Y. M. C. A., and other organizations.

MILITARY TRAINING

Under the provisions of the Act of Congress of June 3, 1916, a unit of the Reserve Officers' Training Corps has been established at the University of Texas.

Work in military training will be required, during the period of the war, of all men students in all departments of the Main University, unless excused for reasons of weight by the president or by a special committee appointed for the purpose. Credit for the work in military training will absolve the physical training requirements of first-year students.

Students who complete the four-year course are eligible for appointment by the President of the United States as reserve officers in the United States Army for a period of ten years. They are eligible, also, in times of peace, for appointment as temporary second lieutenants in the Regular Army, for purposes of instruction, with the allowances provided by law for that grade and pay at the rate of one hundred dollars a month for six months. At the expiration of this period of Regular Army service, they will revert to the status of reserve officers.

STUDENTS' WORK

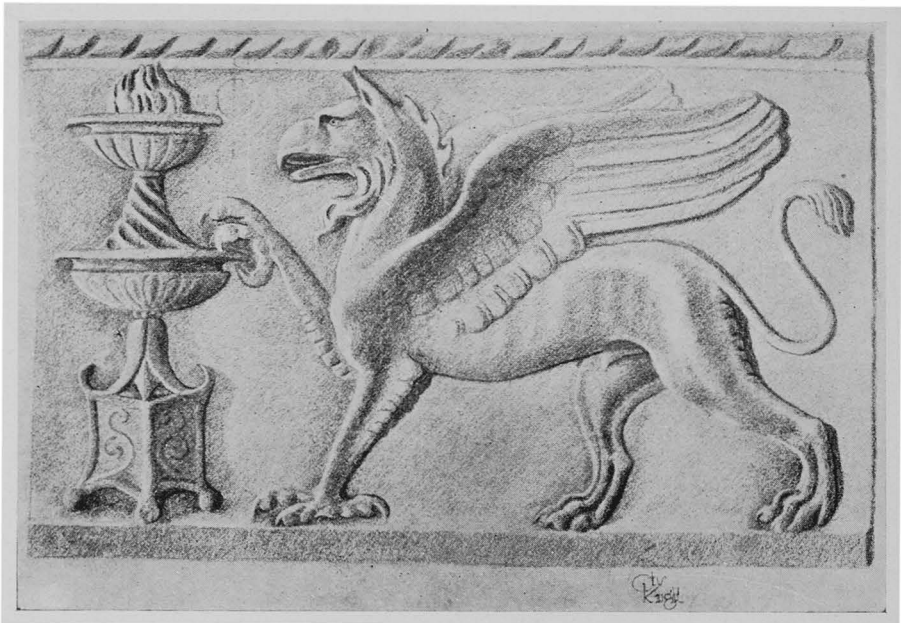
The illustrations on the following pages represent work of students pursuing the General Course in Architecture or, in a few cases, of students in the College of Arts.

The Fine Arts Course in Architecture and the Course in Architectural Engineering described on pages 7, 8, and 9 will be in effect beginning with the session of 1918-1919.

Free Hand Drawing

A 101, 102, and 103

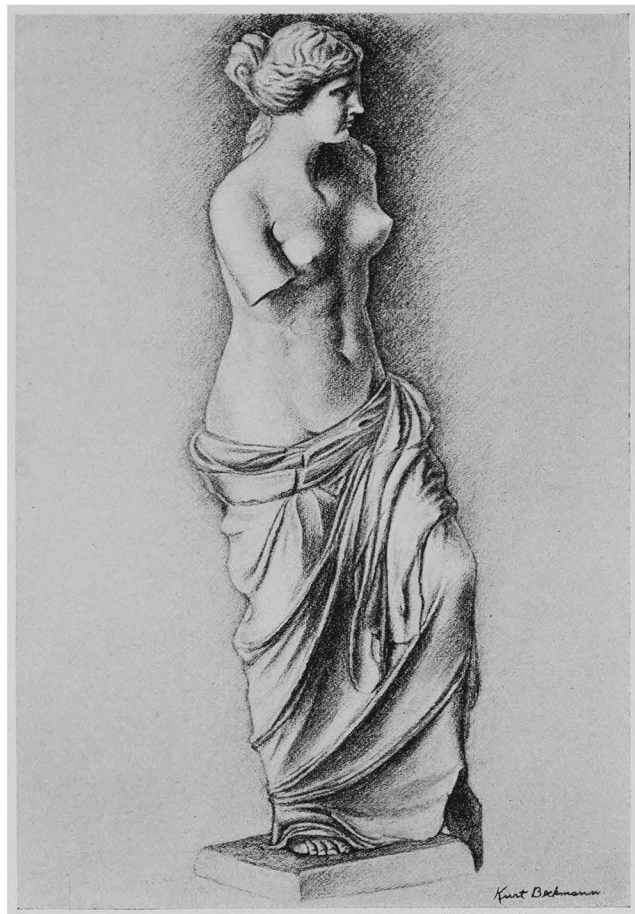
Drawing in pencil, charcoal, and wash from cast, still-life, and life.



OTIS KNIGHT



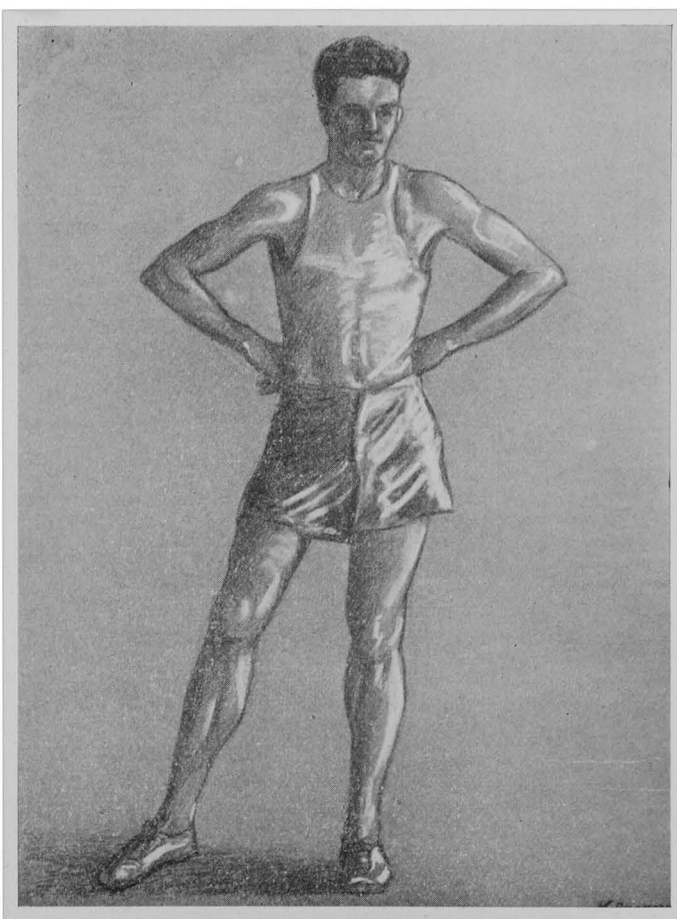
MRS. MARY H. ELLIS



K. D. BECKMANN



MISS JULIA SHEPARD

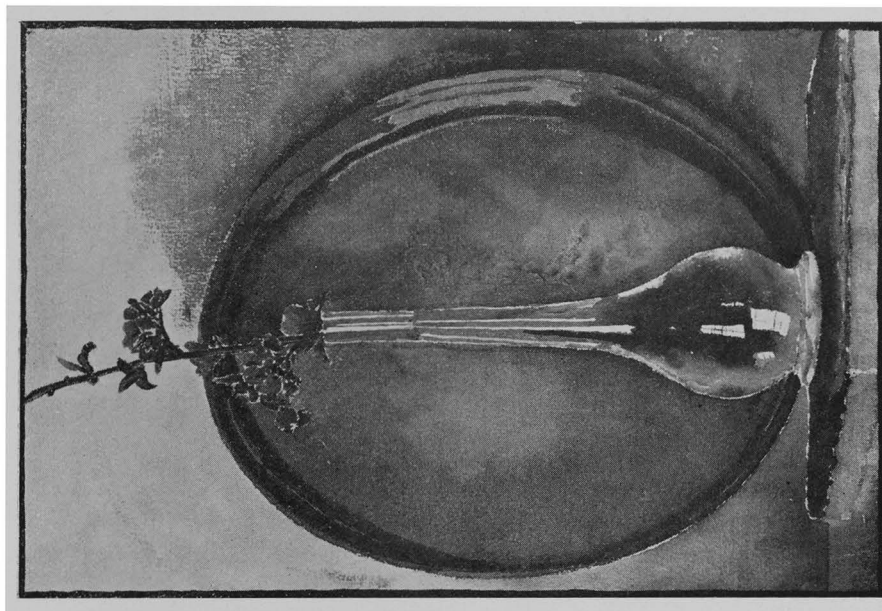


K. D. BECKMANN

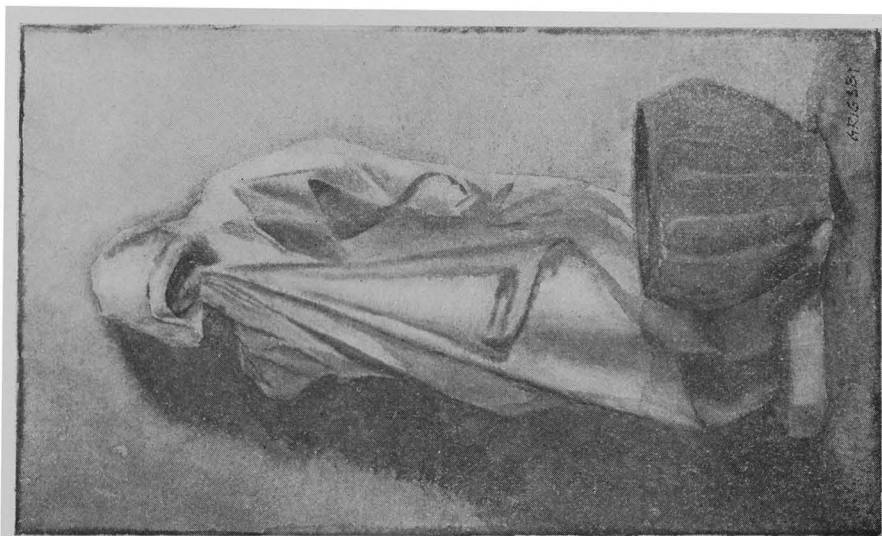
Freehand Drawing

A 104 and 138

Water-color studies from still-life, and outdoor sketching.



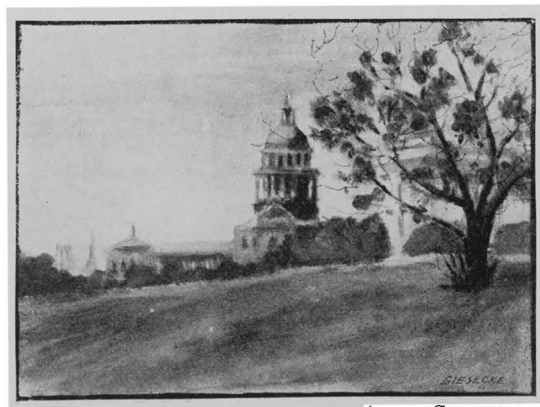
J. B. ATKINSON



ELIZABETH W. GRIGSBY



FANNY SELLERS



ALMA GIESECKE



FANNY SELLERS

Architectural Rendering

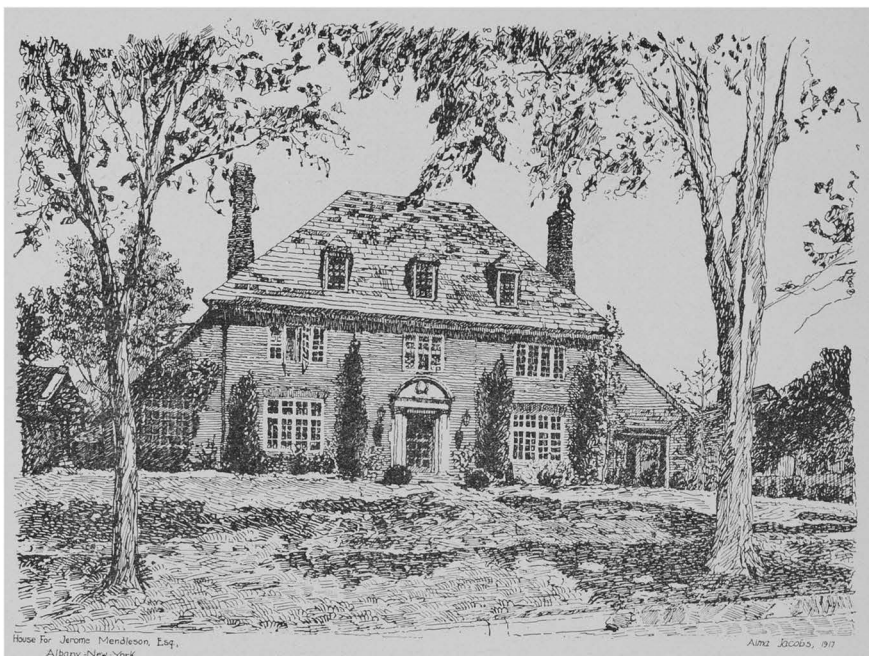
A 125

Pen and ink, pencil, and wash renderings of architectural subjects.

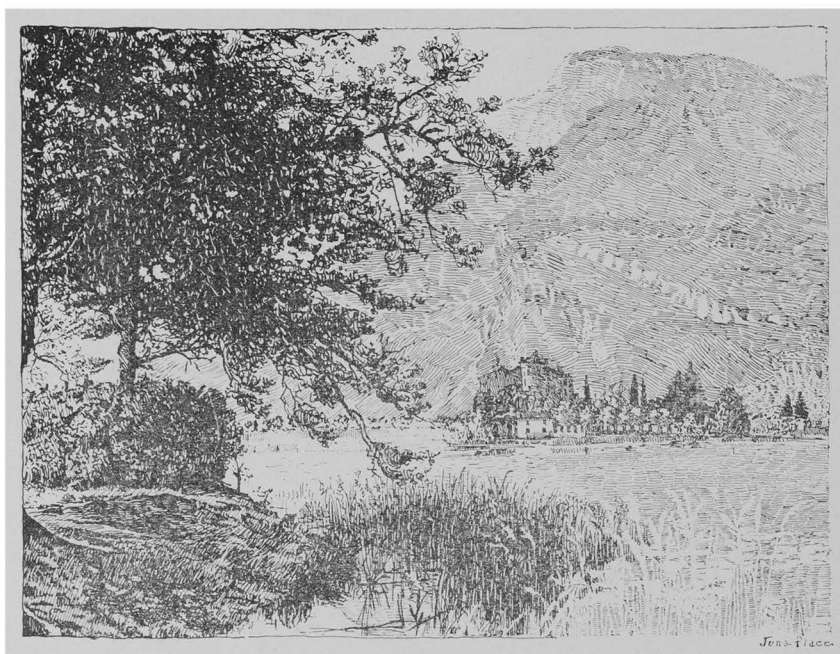
The pen and ink renderings shown on the following pages were made from photographs.



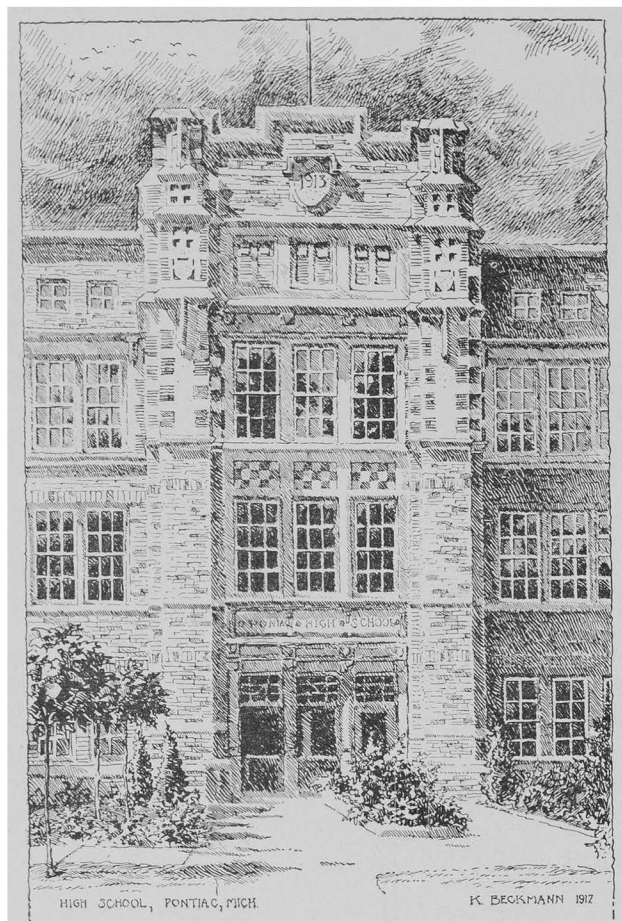
K. D. BECKMANN



ALMA JACOBS



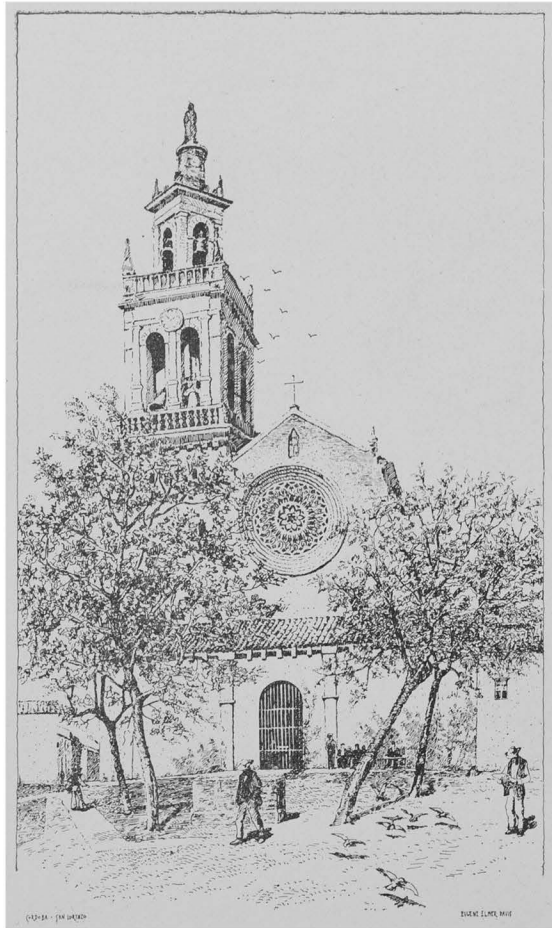
JUNE PLACE



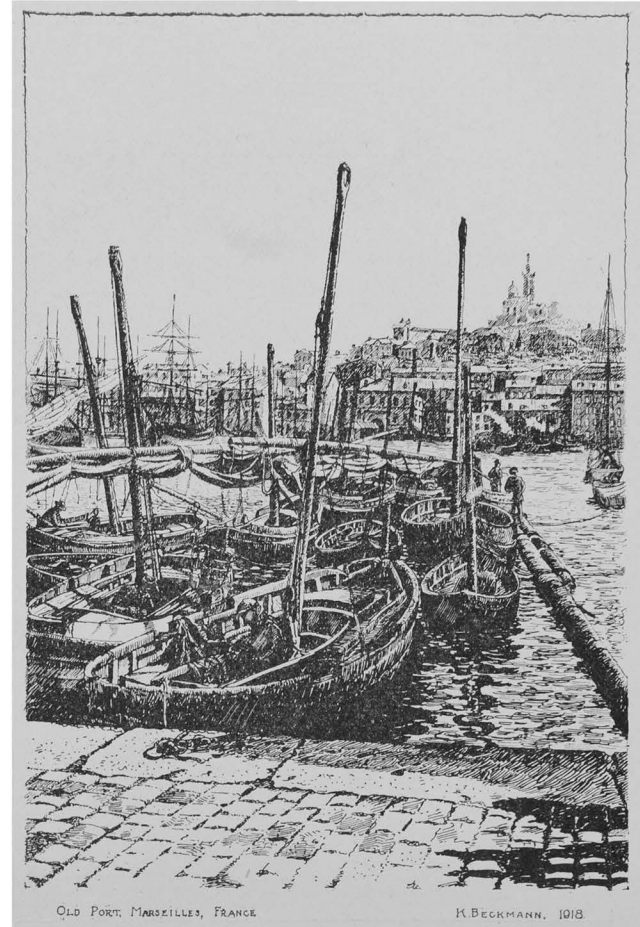
K. D. BECKMANN



ALMA GIESECKE



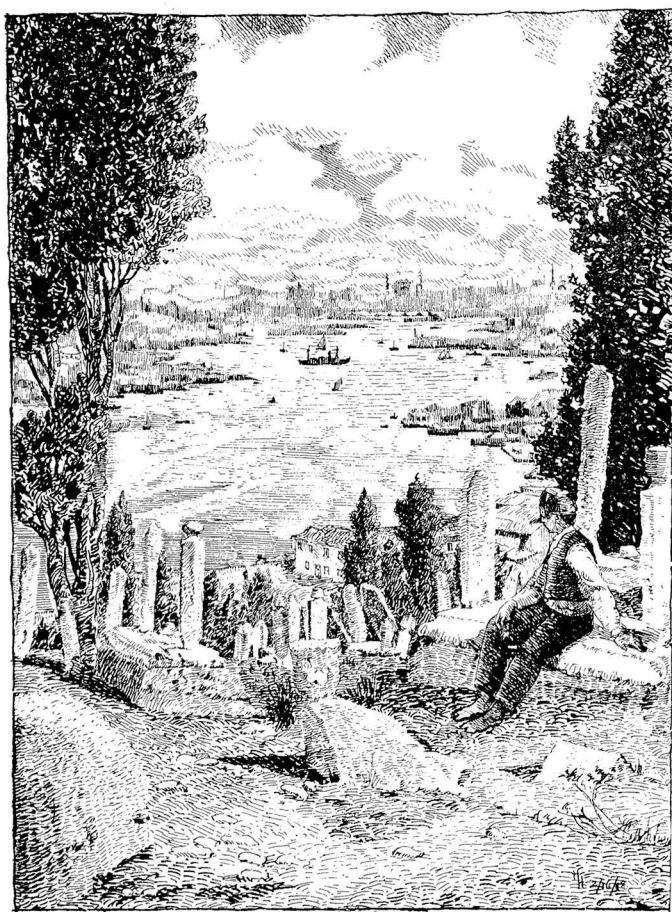
E. E. DAVIS



OLD PORT, MARSEILLES, FRANCE

K. BECKMANN, 1913

K. D. BECKMANN

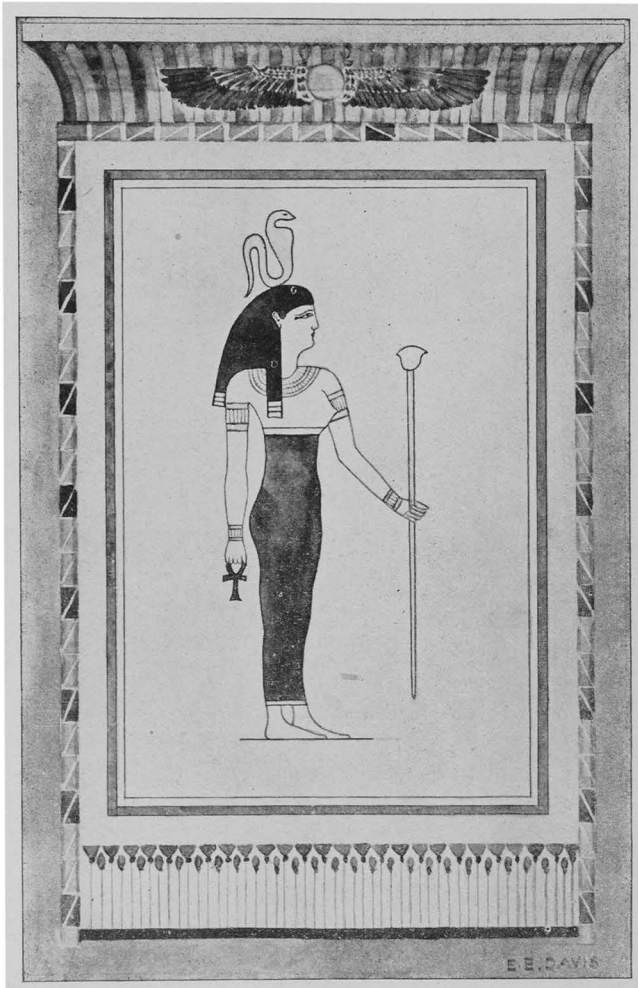


CONSTANTINOPLE AND THE GOLDEN HORN.

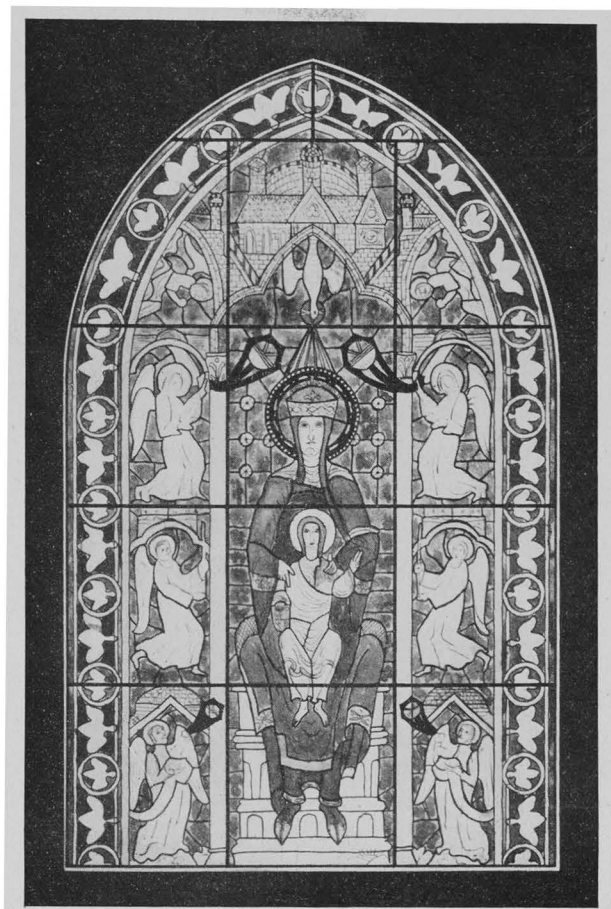
HAZEL HORNSBY

Architectural History
A 112 and 126

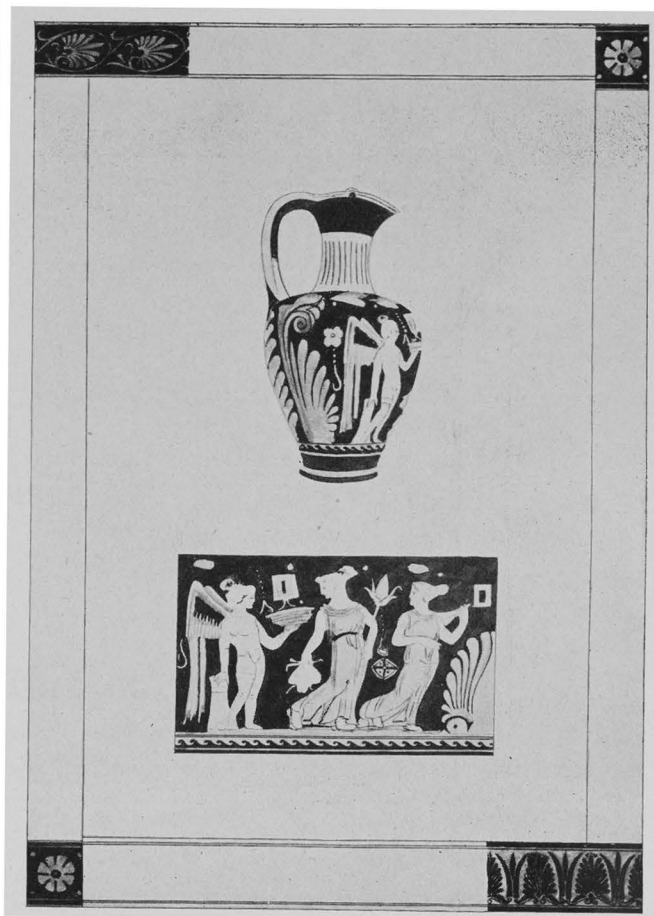
Library research in connection with the study of the history
of architecture.



E. E. DAVIS



E. E. FAIRWEATHER

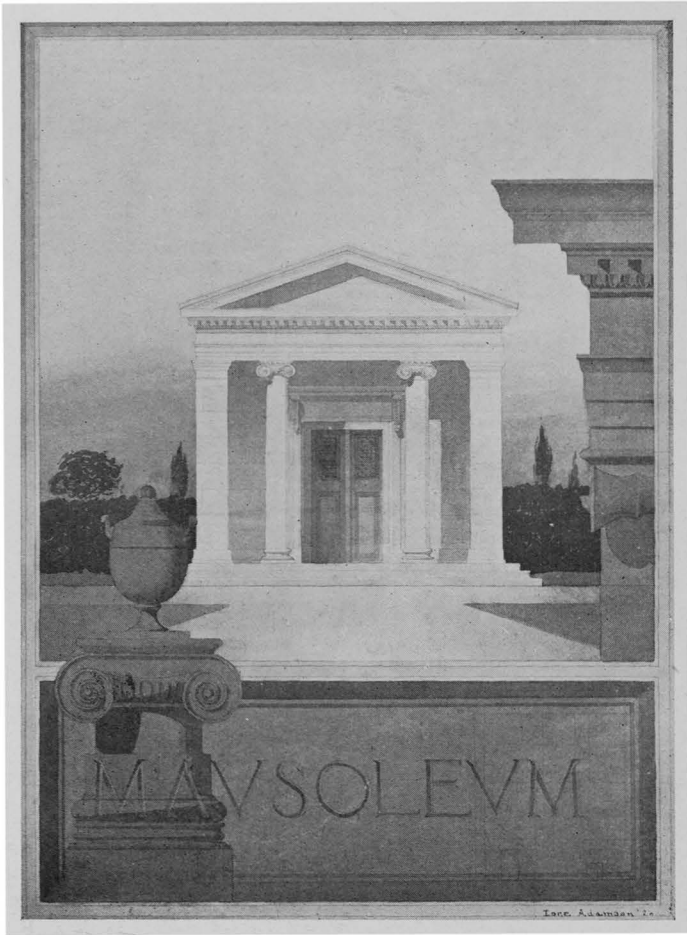


E. E. DAVIS

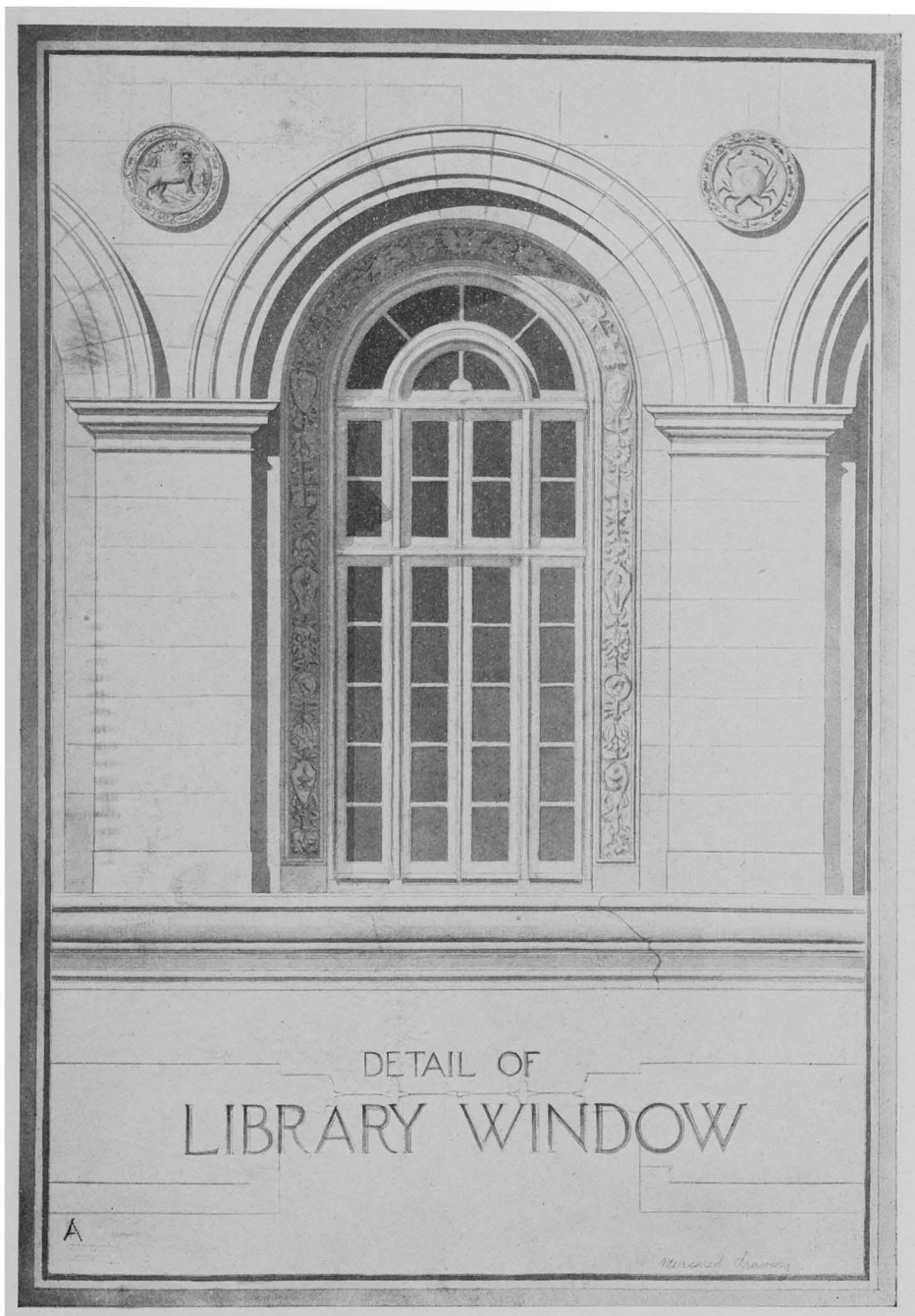
Architectural Design.

A 22, 23, 24, 35, and 236.

Problems in designing and rendering architectural projects.



IONE ADAMSON

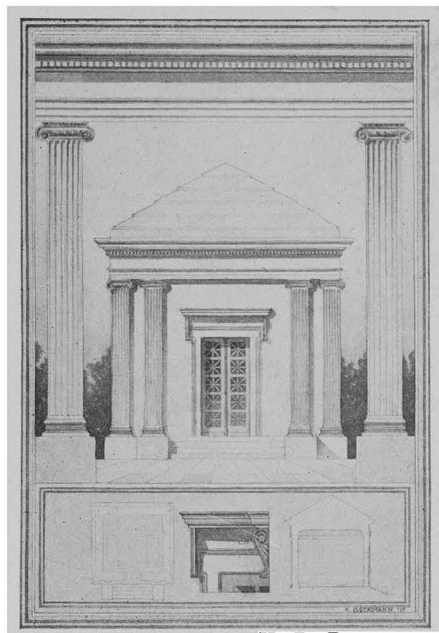


MEASURED DRAWING

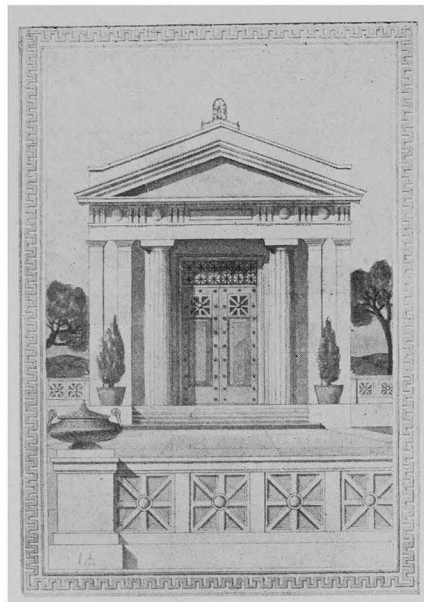
K. D. BECKMANN



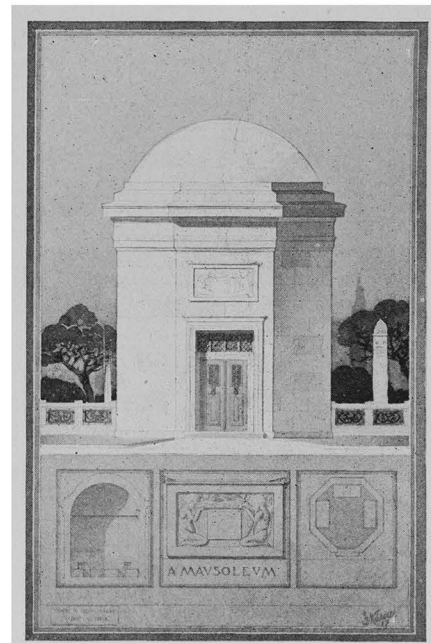
RAYMOND LIPSCOMB



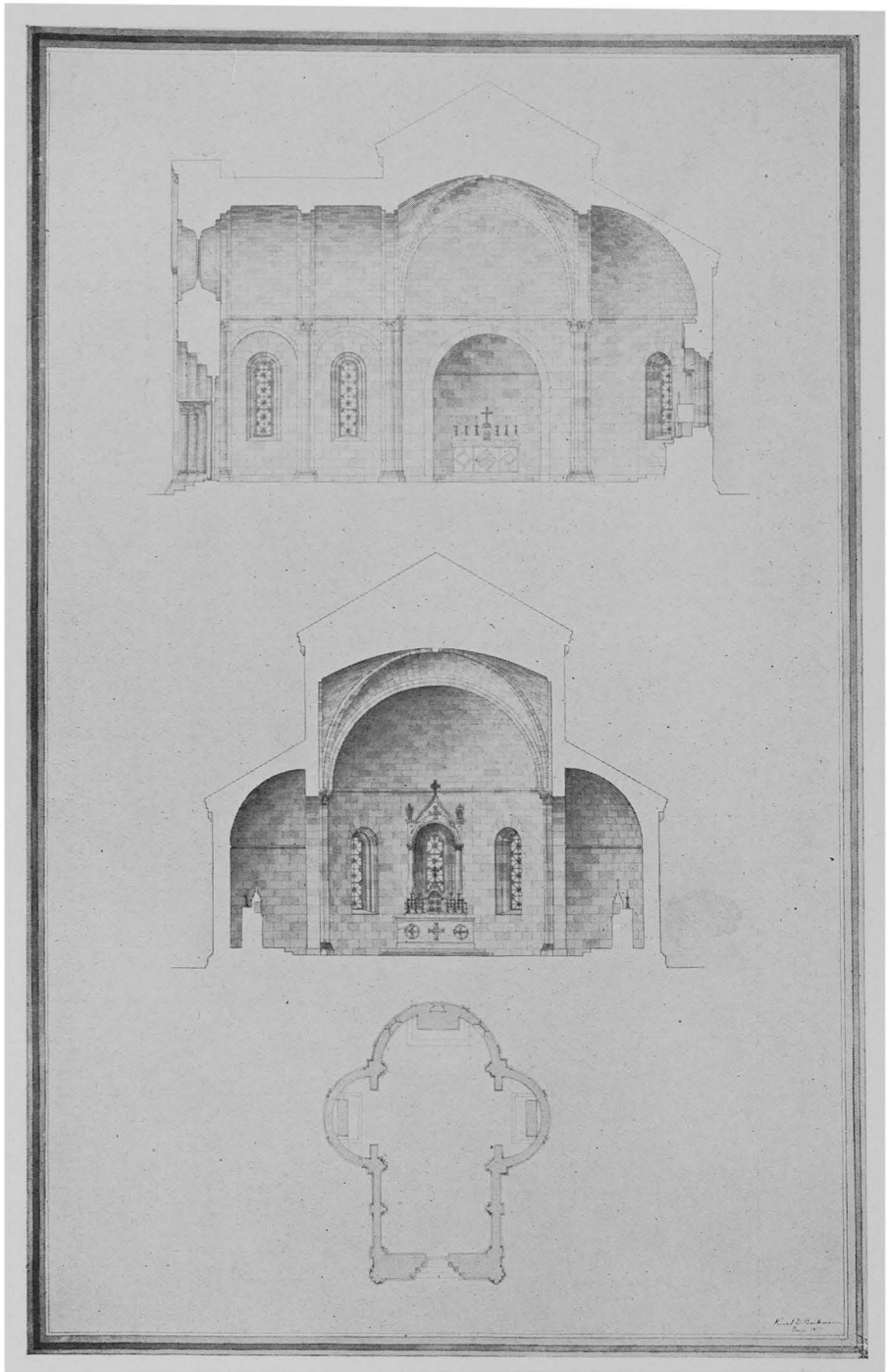
K. D. BECKMANN



A Mausoleum
VERNA LEARY

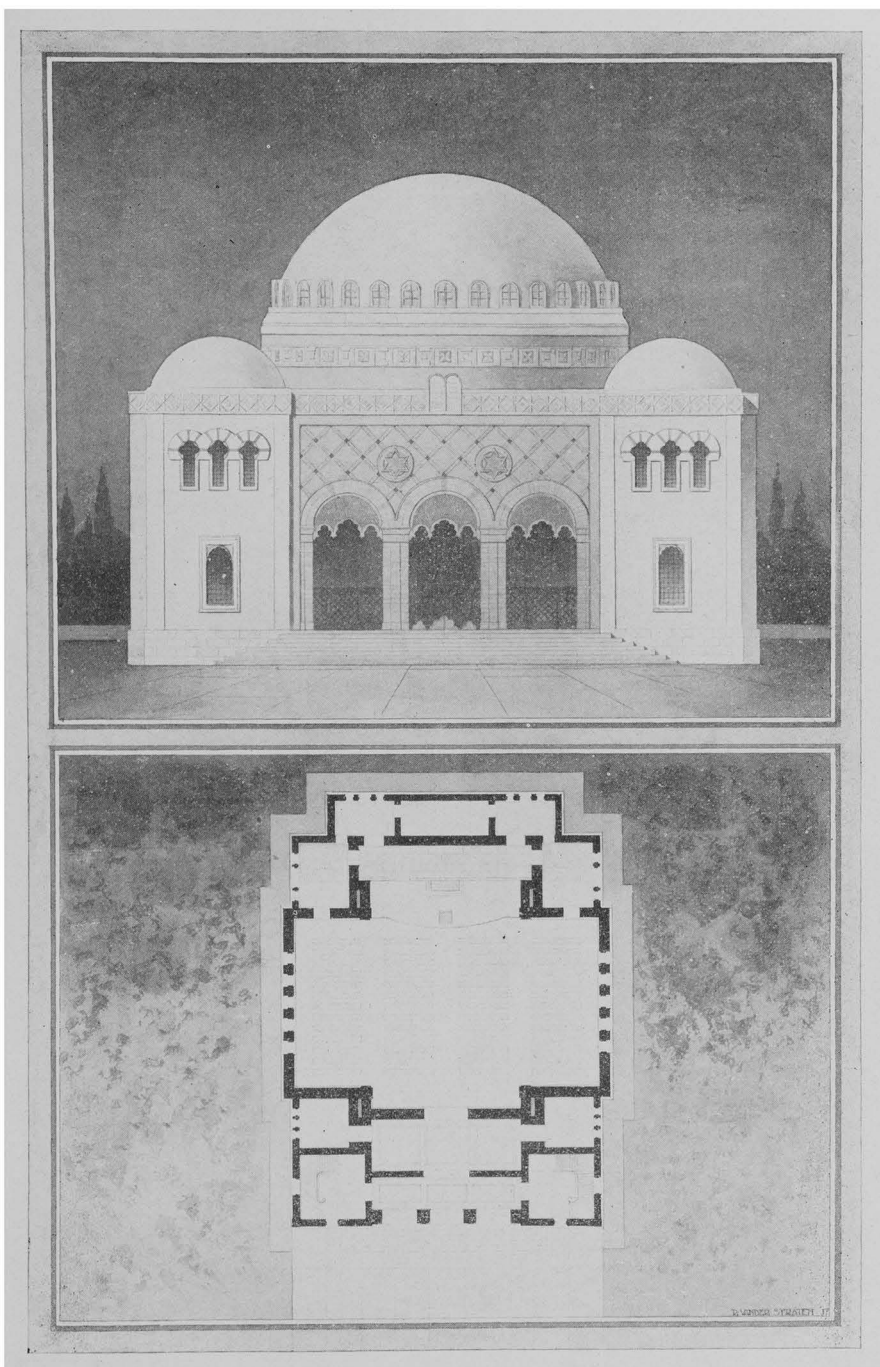


G. M. TROUT



Interior—A Romanesque Chapel

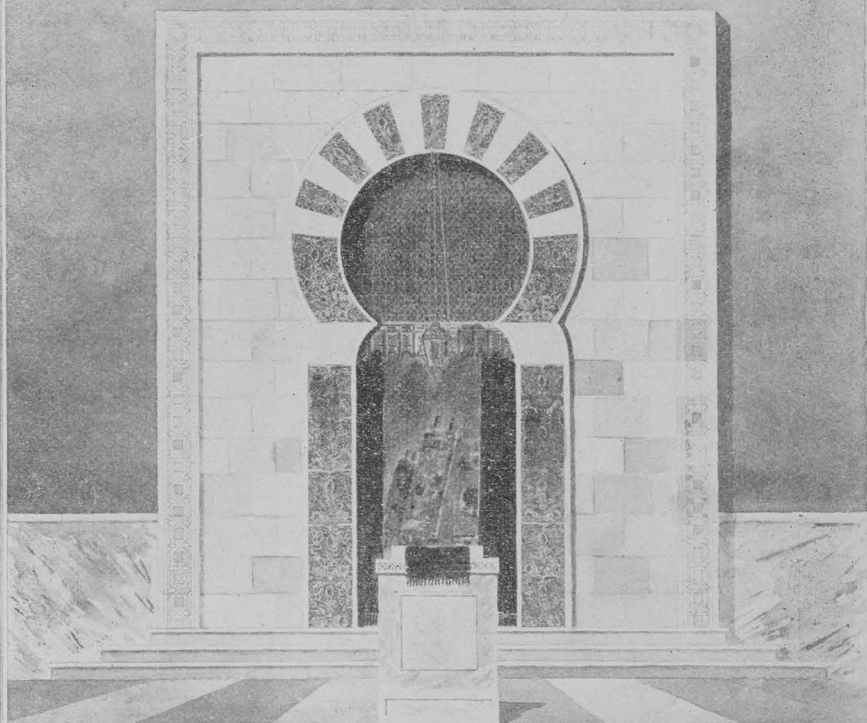
K. D. BECKMANN



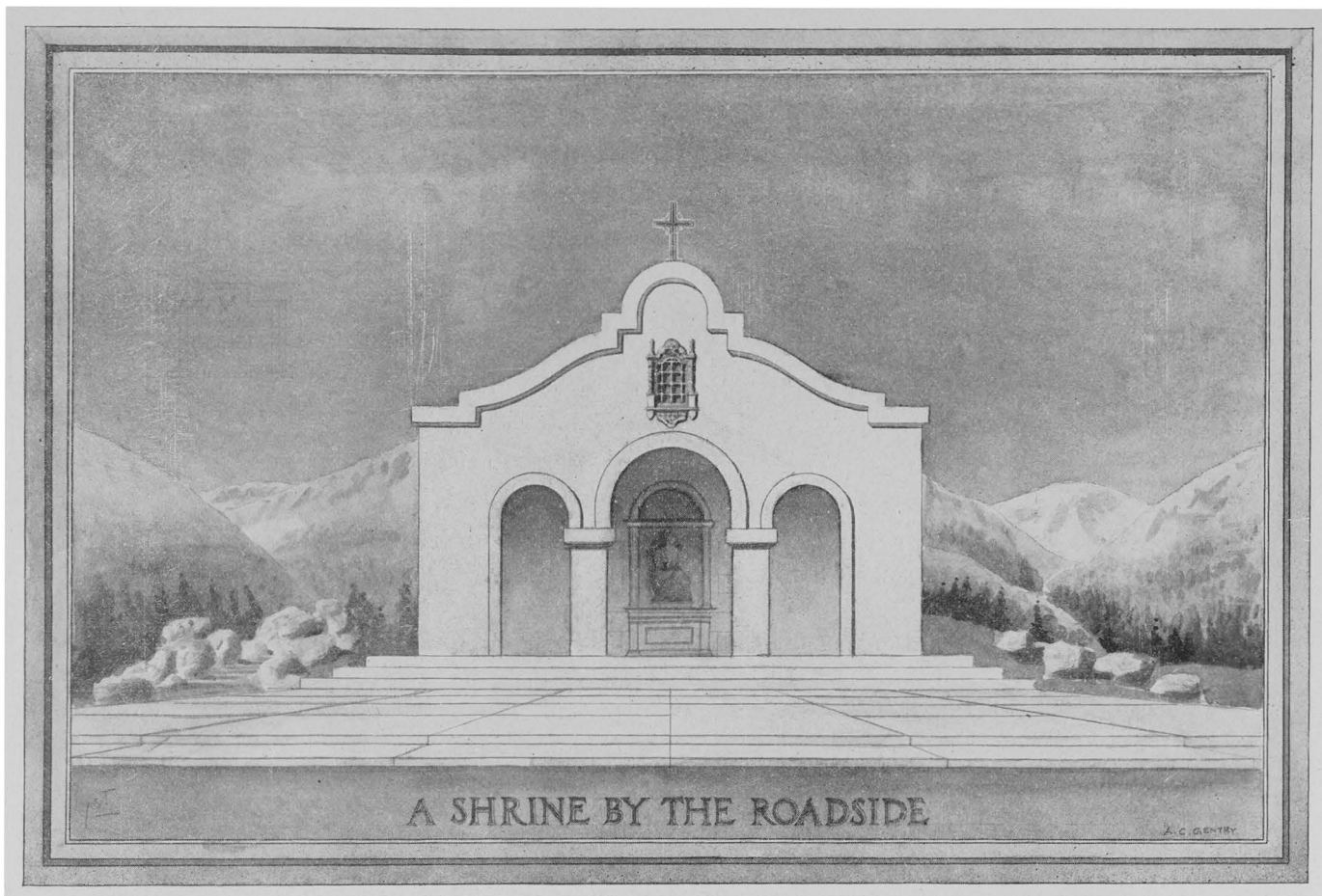
A Byzantine Church

RICHARD VANDER STATEN

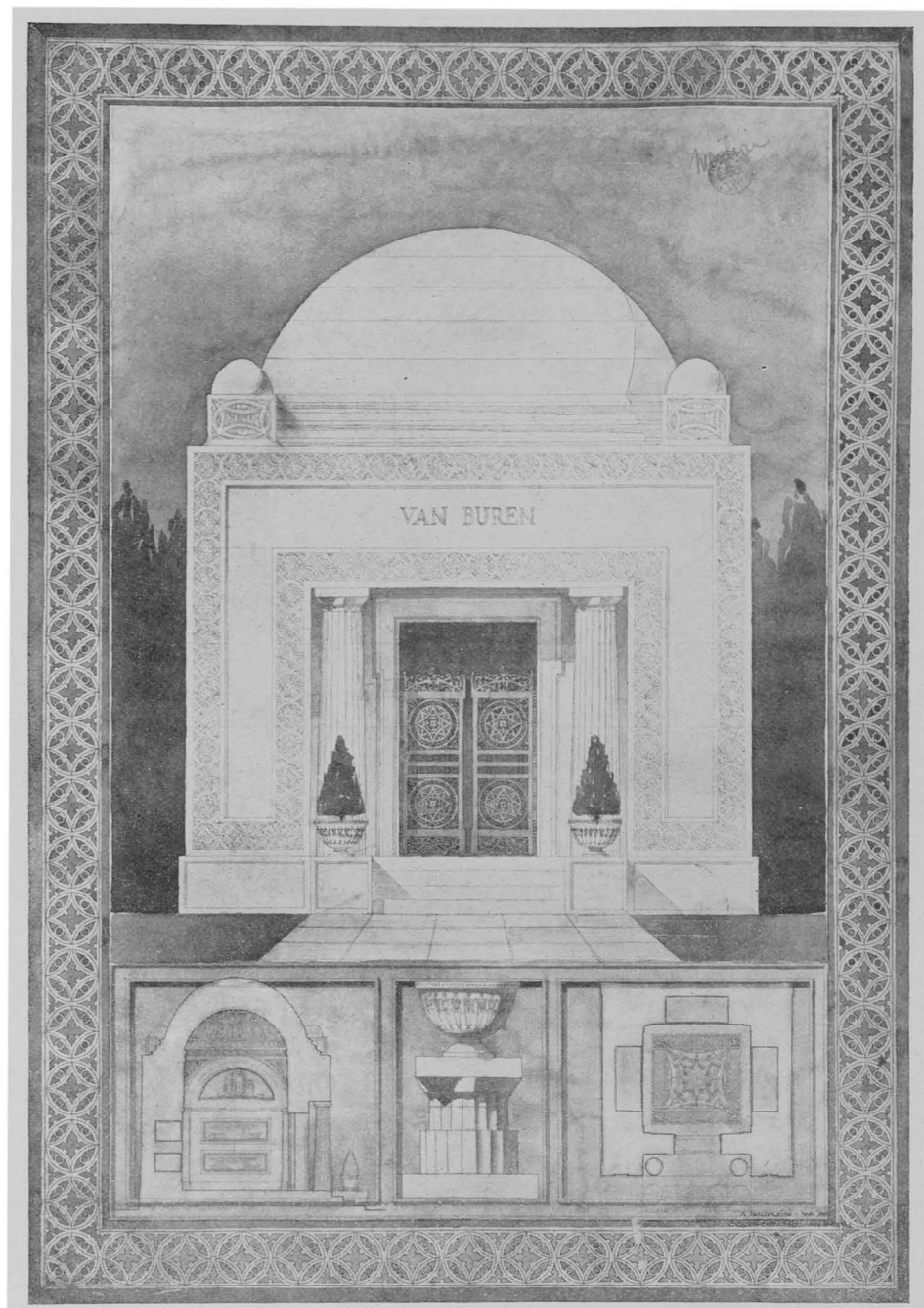
דפ שני עשרה ז



AN ARK IN A SYNAGOGUE

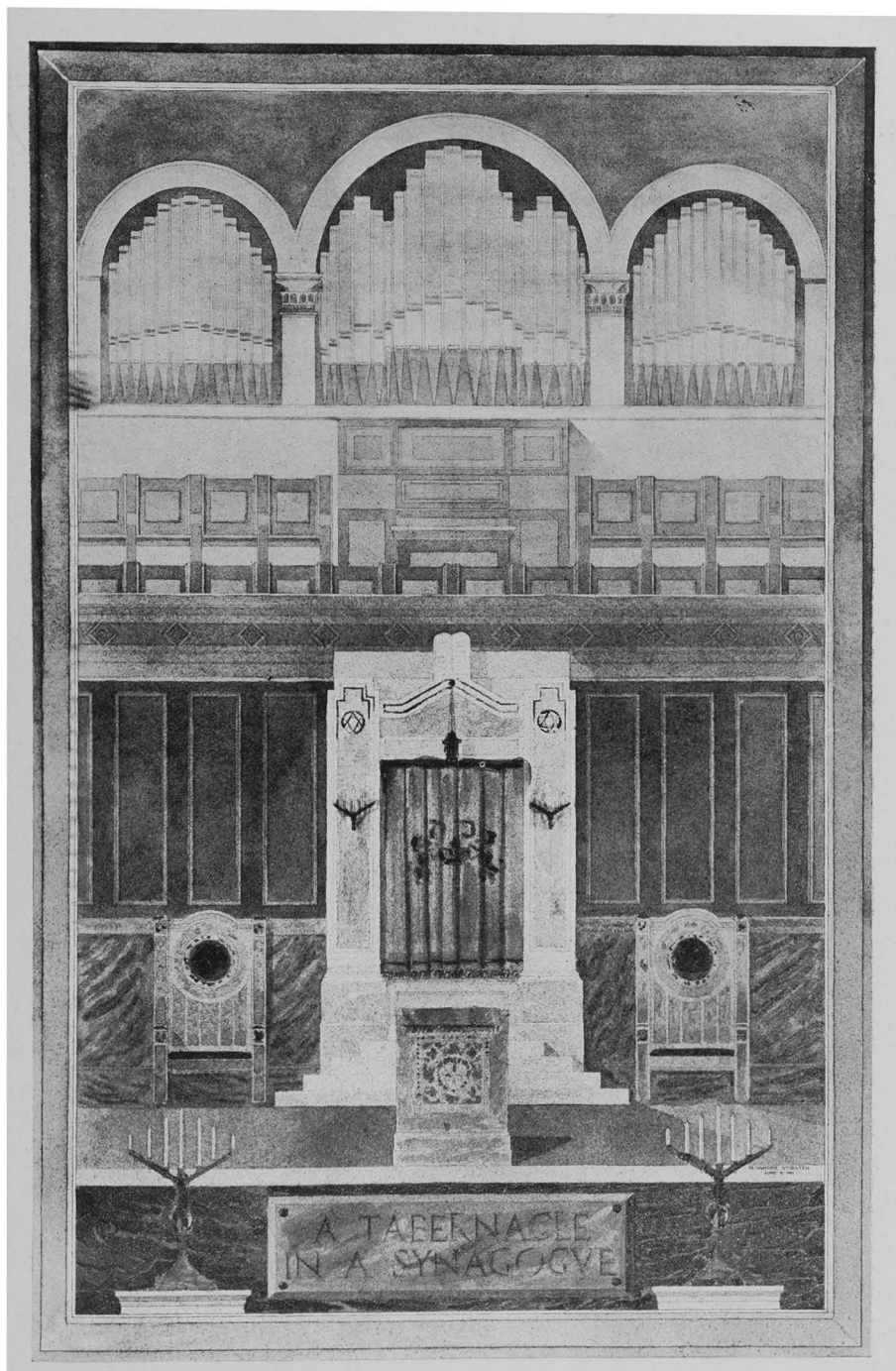


A. C. GENTRY



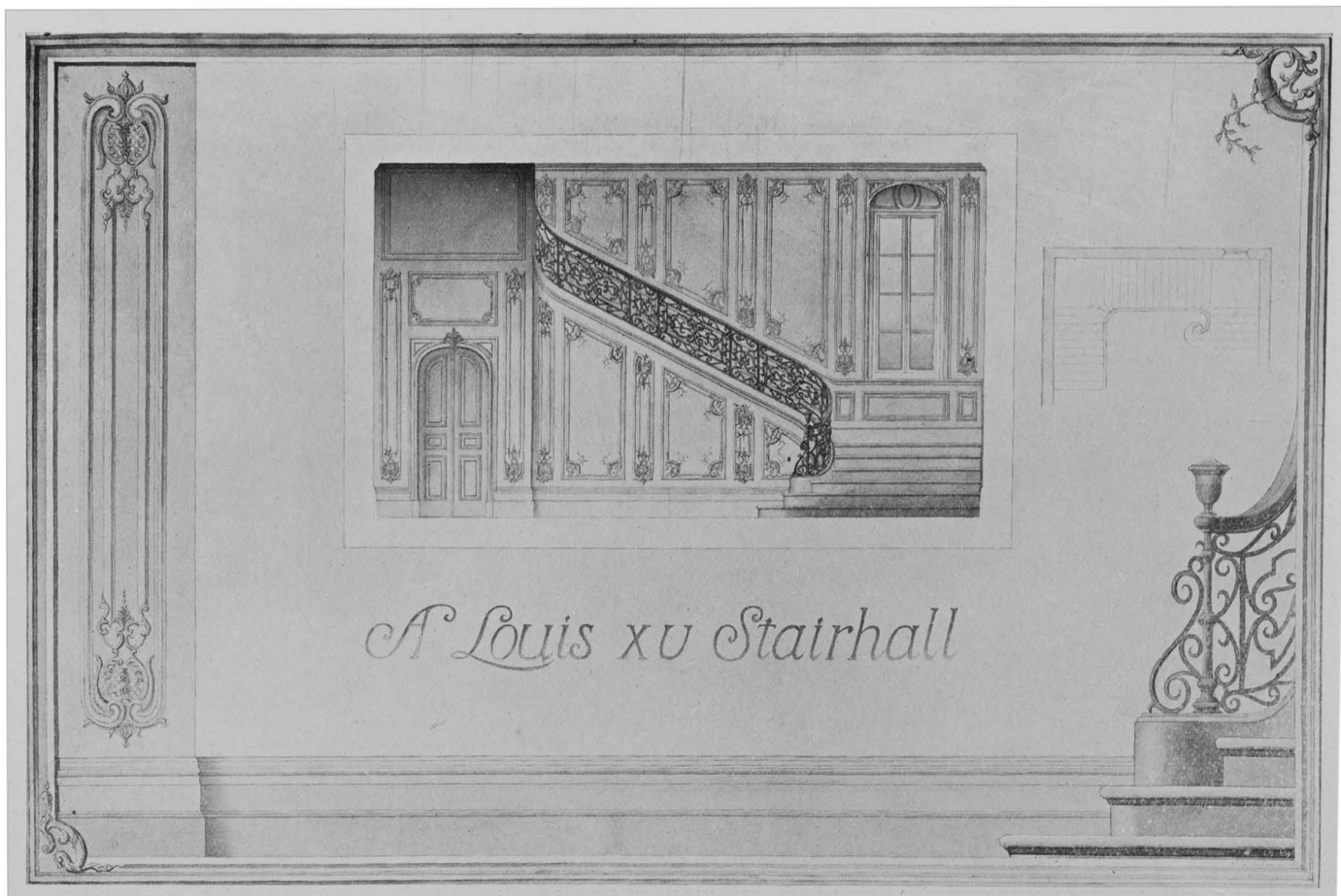
A Mausoleum

J. B. ATKINSON

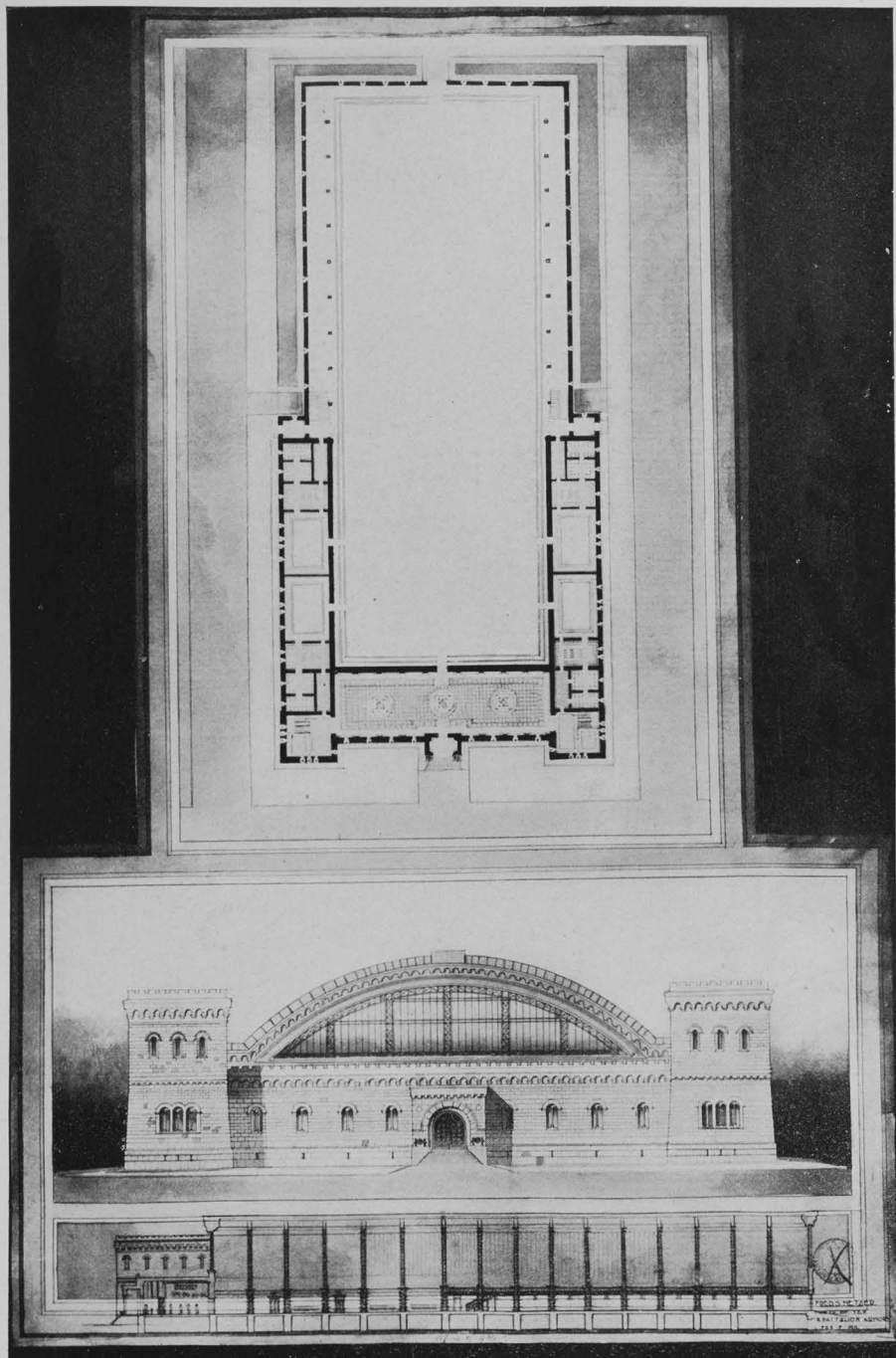


INTERIOR DESIGN

RICHARD VANDER STATEN

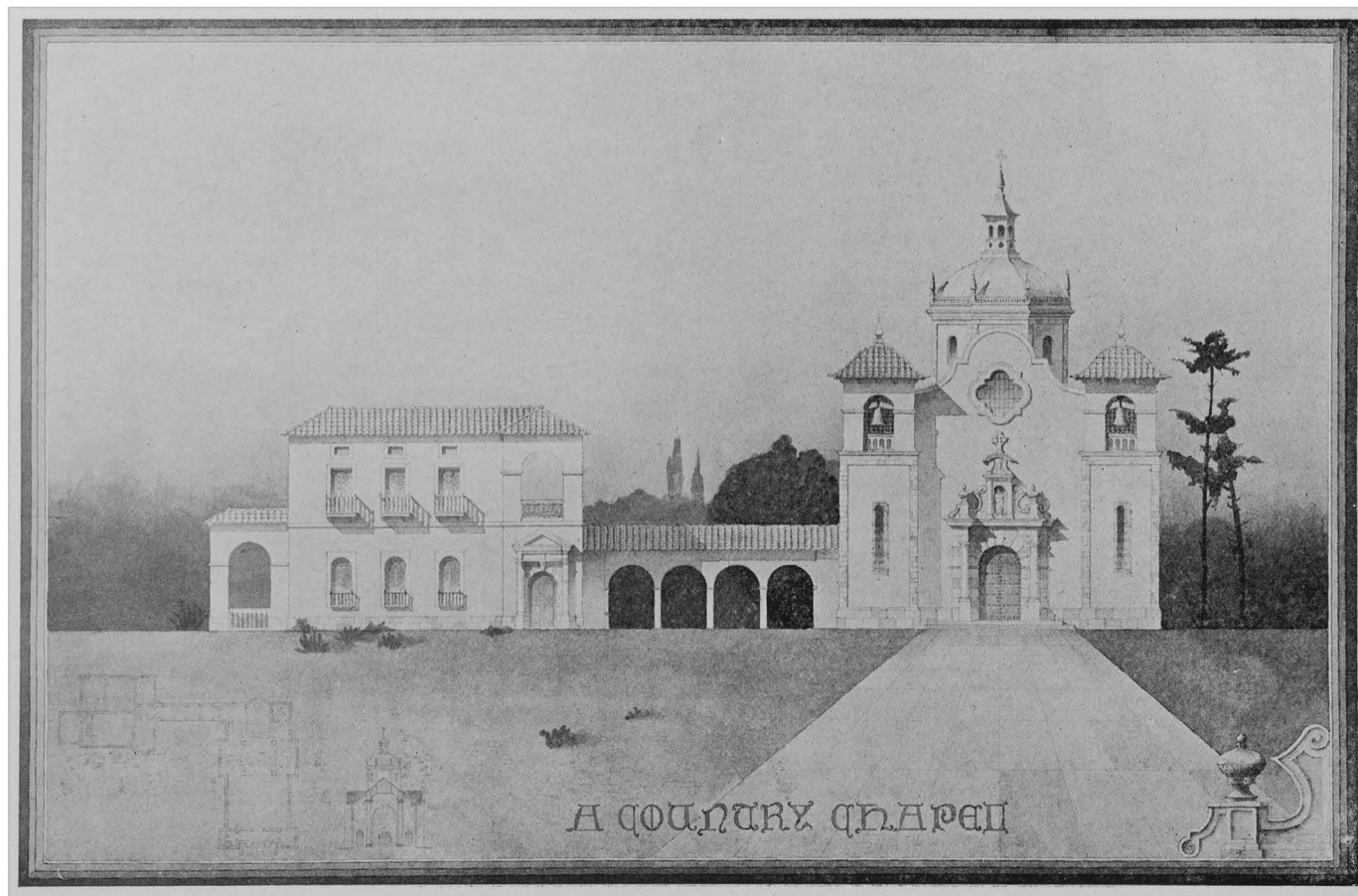


A Louis xv Stairhall



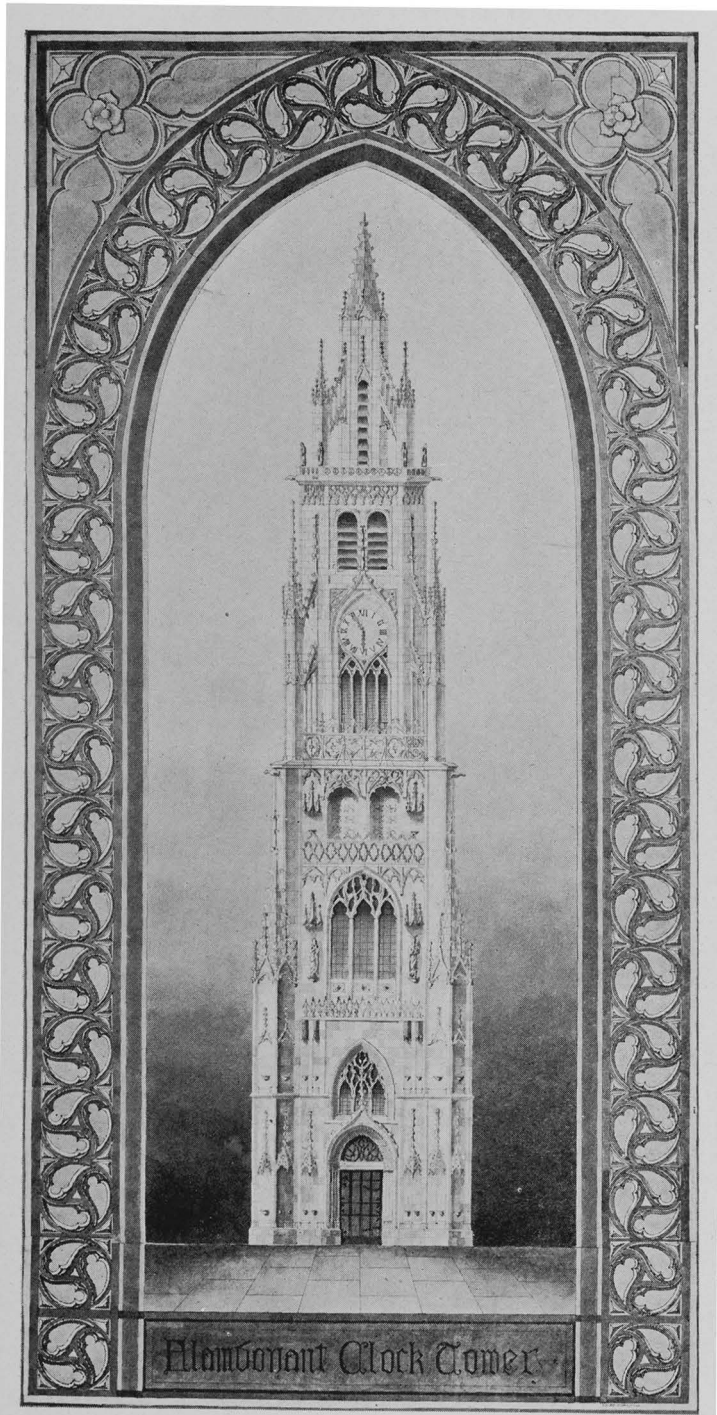
An Armory

F. S. NETZER



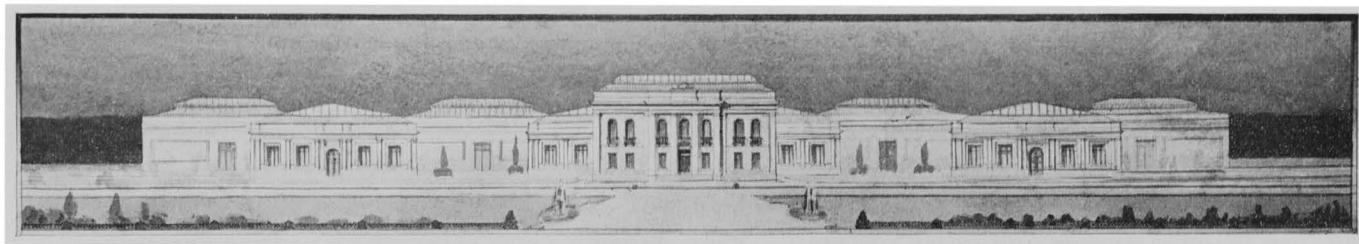
A Country Chapel

E. E. DAVIS

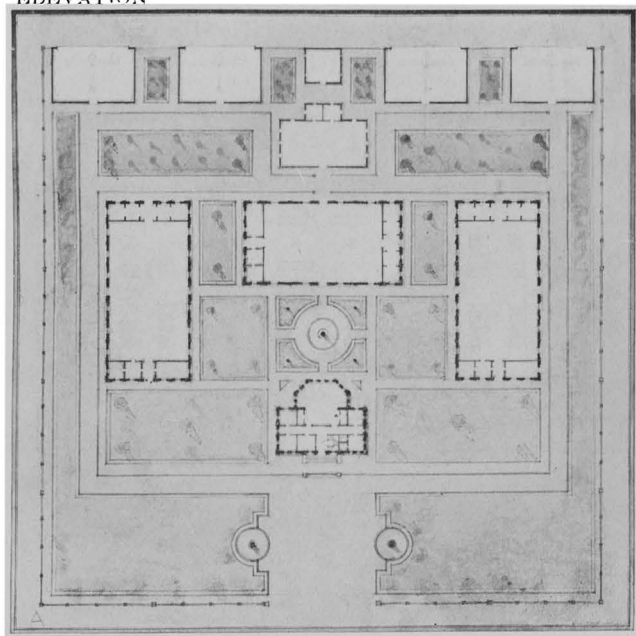


A Clock Tower

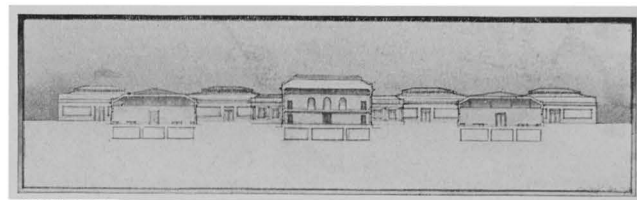
E. E. DAVIS



ELEVATION

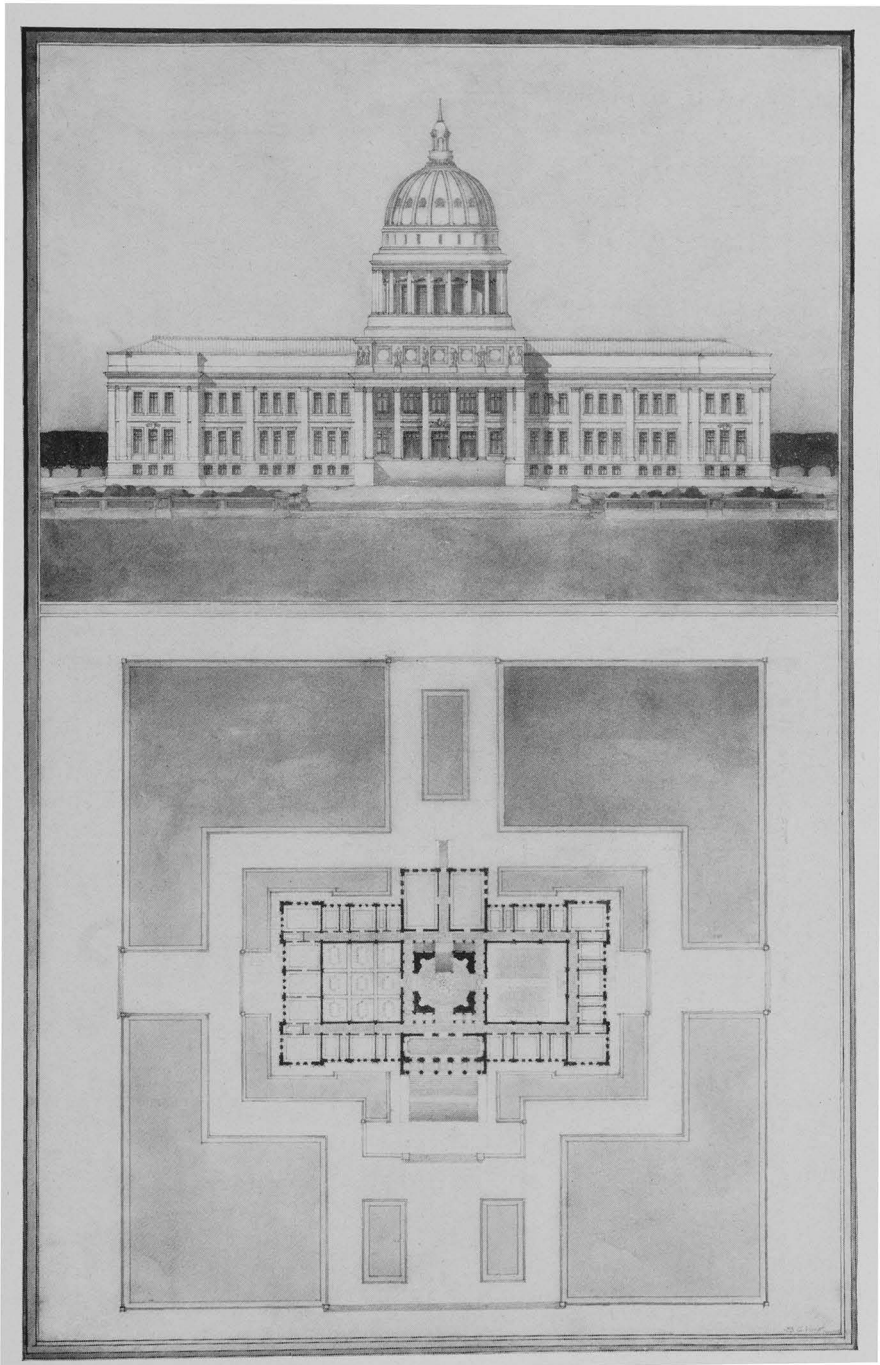


PLAN



SECTION

AN AVIATION SCHOOL
B. C. VOIGT

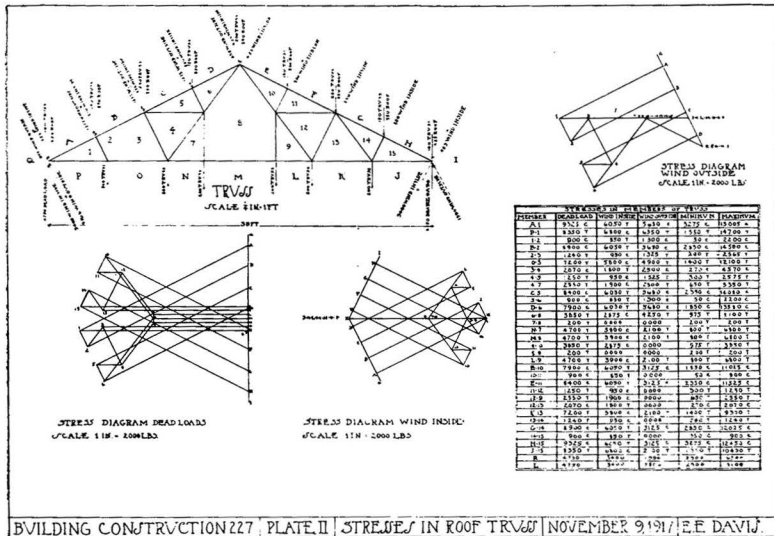


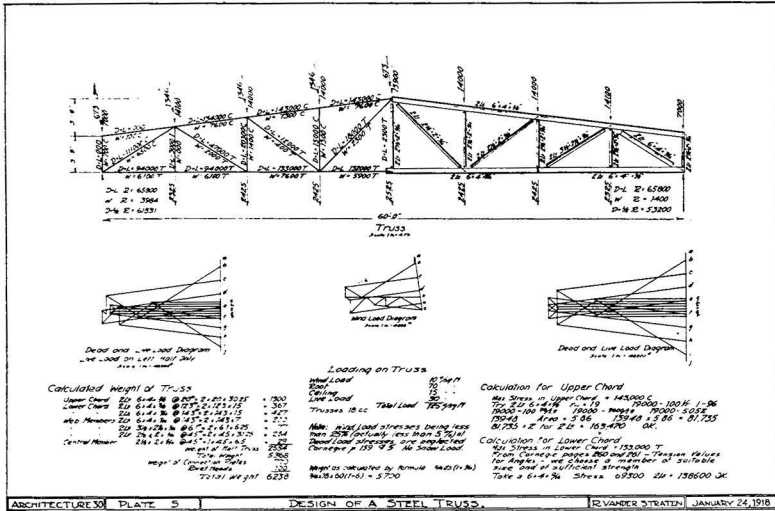
Design for a State Capitol

B. C. VOLT

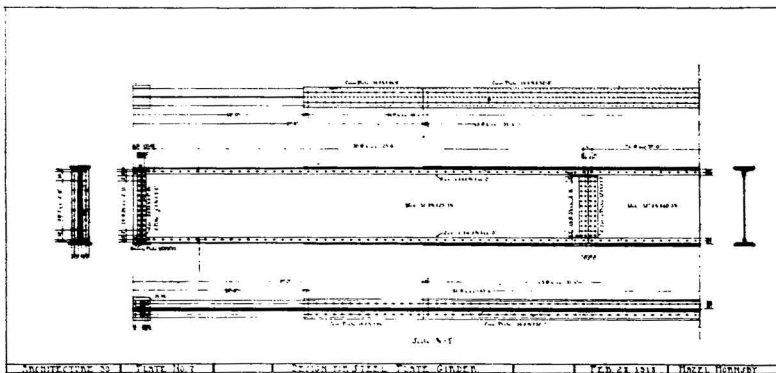
Building Construction and Sanitation A 121, 227, 28, 229, 30, and 131

A study of the construction and sanitation of buildings, and problems in designing the structural elements and the mechanical equipment of buildings.

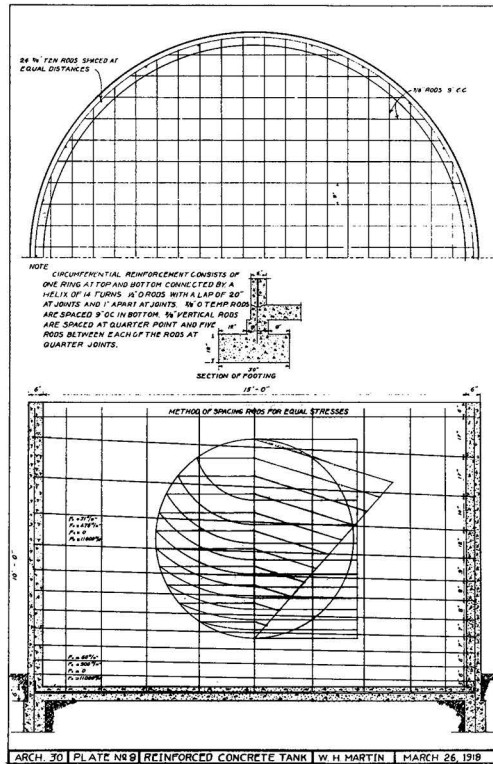




Design of a Steel Roof Truss
A 30
R. VANDER STRATEN



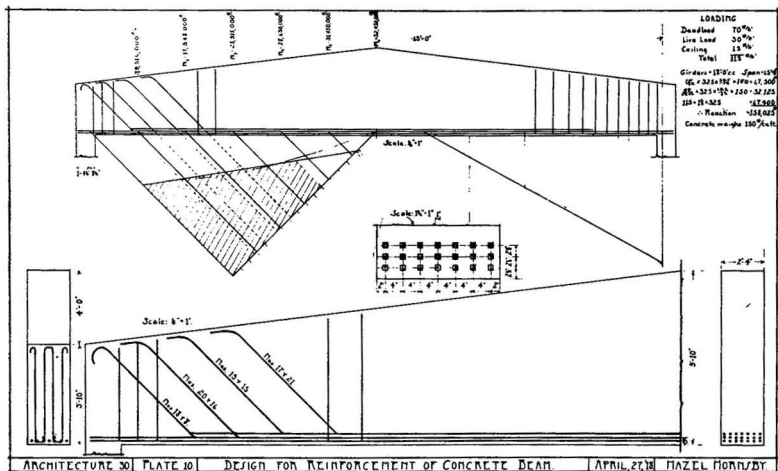
Design of a Steel Plate Girder
A 30
HAZEL HORNSBY



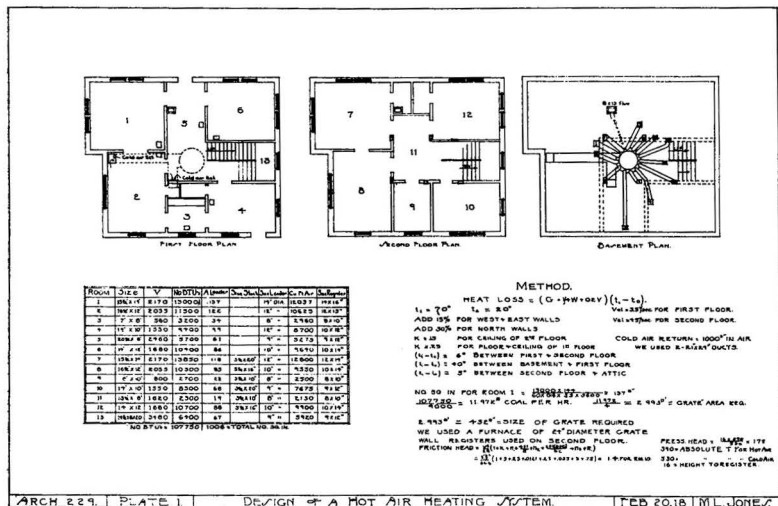
Design of a Reinforced Concrete Tank

A 30

W. H. MARTIN



Design of a Reinforced Concrete Beam
A 30
HAZEL HORNSBY



Design of a Hot Air Heating System
A 131
M. L. JONES

Naval Architecture M. S. 99

A short course in Naval Architecture to prepare for work as ship draftsmen.

This course was given during the latter part of the session 1917-1918; it will be repeated as often as a sufficient number of students can be secured. The course is open to graduates of engineering schools of recognized standing.

